

Quadratic
Function
 $Y = ax^2 + bx + c$

$a =$
 $b =$
 $c =$

$a > 0$
open \uparrow
 $a < 0$
open \downarrow

Axis of
symmetry
 $X = -\frac{b}{2a}$

Vertex
 $(-\frac{b}{2a}, f(\frac{-b}{2a}))$

Y-int.
 $(0, c)$

max
or
min

X-intercept
* FACTOR *